

# City of Newport Beach

## Coastal/Bay Water Quality Citizens Advisory Committee Minutes

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**Date:** April 14, 2011  
**Time:** 3:00 p.m.  
**Location:** Fire Conference Room

### 1. Welcome/Self Introductions

#### **Committee Members present:**

Chairwoman/Mayor Pro Tem Nancy Gardner  
Dennis Baker  
George Drayton  
Roberta Jorgensen  
Jim Miller

#### **Guests present:**

Amanda Carr, County of Orange  
Phil Jones, County of Orange  
Casey Clarke, resident

#### **Staff present:**

Bob Stein, Assistant City Engineer  
John Kappeler, Water Quality Manager  
Shari Rooks, Public Works Specialist

### 2. Approval of Previous Meeting's

The minutes from the March 10, 2011, meeting were approved.

### 3. Old Business

#### **(a) Bay and Ocean Bacteriological Test Results**

**John Kappeler** reviewed recent water quality test results within Newport Bay and along the ocean shoreline.

### 4. New Business

**(a) Presentation by Amanda Carr** of the County of Orange. Amanda presented the **Newport Bay Watershed Sediment TMDL 09-10 Annual Report** to the committee. Please see PowerPoint presentation attached.

- 98% of the sedimentation is captured at the Campus Station and 1-3% of the sedimentation is captured at Santa Ana Delhi and Bonita Creek Stations
- There are 7 foothill retarding basins, 3 In-channel basins and 2 In-bay basins.
- Scour surveys are required once every 5 years for the foothill basins, every year for in-channel basins, and surveys of the two reaches once every 5 years or in years with over 150% of mean basin rainfall.
- Topographic/Bathymetric and Vegetation surveys are done every 3 years.
- US Fish & Wildlife is satisfied with the County's choice of mitigation site for removals from the reaches, but US Fish & Game is not yet. County anticipates doing a removal in the next fiscal year if all permits are granted.
- County has sufficient funds in budget for removals.

- Vast majority of the watershed has been stabilized with the exception of Borrego and Serano. A substantial portion of Serano has eroded down to bedrock. Borrego is currently the major source of sedimentation.
- **Bob Stein** said that the Army Corps of Engineers has started some work out there and they have agreed to finish up an evaluation that includes Serano Creek and that might be the first step towards getting some federal funding.
- **Nancy Gardner** stated that since Lake Forest has been a contributor and often asked for help with Serano Creek, she has asked staff to look into what programs might be done that the Executive Committee might want to help contribute to in order to help Lake Forest since they've been such good partners and because waiting for federal funding in today's world is likely going to be a long wait. John Kappeler will take the lead for drafting up a list of potential projects and programs.

**(b) Coastal/Bay Water Quality Committee & Harbor Commission Joint Meeting**

**Chair Nancy Gardner** advised the Committee that the joint meeting is set to take place on Wednesday, May 11<sup>th</sup> at 6 PM in the Council Chambers.

- This joint meeting in May will be in lieu of the regularly scheduled CBWQ meeting on the 12<sup>th</sup>.
- Nancy asked the Committee for input on what topics they would like to see on the agenda.
  - ✓ Grand Canal
  - ✓ Copper Paint
  - ✓ Water Quality Enforcement Overview
  - ✓ Head Discharge and Enforcement over the Bulkhead
  - ✓ Harbor Patrol and Harbor Resources Coordination

**5. Public Comments on Non-Agenda Items**

**6. Topics for Future Agendas**

- (a) Bacteriological Dry-Weather Runoff Gutter Study (Phase III)
- (b) OCTA Measure M2
- (c) Coastal Dolphin Research Program
- (d) Banning Ranch Environmental Impact Report (EIR)
- (e) Big Canyon Project
- (f) Cienega Project
- (g) Shark Mobile
- (h) Prop 84 ASBS Grant Program
- (i) Update on "Green Streets"

**7. Set Next Meeting Date**

The next meeting will be a joint meeting with Harbor Commission and was set for May 11, 2011, at 6 PM in City Council Chambers.

**8. Adjournment**

The meeting was adjourned at 4:20 pm.

## Newport Bay Sediment TMDL Overview

Amanda Carr, County of Orange  
April 14, 2010



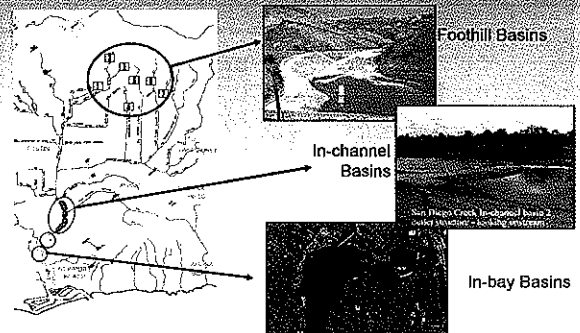
## Sediment TMDL Overview

- TMDL adopted March 1999
- Aimed at reducing sediment loads over a multi-year period
  - 50% loading reduction
  - Reduced dredging frequency
- Monitoring and Reporting Program (No. 99-74) adopted November 1999
  - established monitoring guidelines for compliance with the TMDL

## Sediment TMDL Monitoring Program

- Low Flow and Storm Monitoring
- Scour Studies
  - Foothill Retarding Basins
  - In-channel Basins
  - San Diego Creek Reach 1 & 2
- Topographic/Bathymetric and Vegetation Surveys

## Sediment Basins



### In-Channel Basin Cleaning



- Past Removals:
  - FY 98-99 – Basin II 46,000 cubic yards
  - FY 99-00 – Basin I 35,000 cubic yards
  - FY 04-05 – Basin II 28,200 cubic yards; Basin III 47,600
  - FY 05-06 – Basin III 20,000 cubic yards
  - FY 07-08 – Basin II 18,500 cubic yards, Basin III 21,500 cubic yards
- Anticipated Removal:
  - FY 11-12 – Basin III

### In-Channel Basin Cleaning



#### • Anticipated Removal Costs

Total Capacity (cubic yards)	93,312
Available Capacity (FY 2010)	56,758
Estimated Removal Volume	36,554
Estimated Removal Cost per cubic yard	\$30
Total Cost	\$1,096,620
Estimated Administration Cost	\$100,000
Total Estimated Cost	~\$1,200,000

### FY11-12 Proposed Sediment TMDL Budget



Salaries and Employee Benefits	\$111,700
Consultant Services	\$305,750
Equipment Maintenance	\$1,450
Duplication/Correspondence	\$1,300
Small Tools/Instruments	\$3,500
Transportation and Travel	\$750
Equipment Usage	\$4,500
Contribution to In-Channel Basin Cleaning Reserve Funds	\$200,000
<b>Total Proposed Budget</b>	<b>\$628,950</b>

Capital Projects (Utilizing Basin Cleaning  
Reserve Funds) \$1,200,000

Questions?